

	Search Terms
1	ANALOG
2	ANALOGS
3	ANALOGUE
4	ANALOGUES
5	COMBINE
6	COMBINED
7	COMBINEDS
8	COMBINER
9	COMBINERS
10	COMBINES
11	COMBINING
12	COMBININGS
13	DIGITAL
14	DIGITALS
15	DIGITISED
16	DIGITIZED
17	MICES
18	MIX
19	MIXED
20	MIXEDS
21	MIXER
22	MIXERS
23	MIXES
24	MIXING
25	MIXINGS
26	PERIODIC
27	PERIODICS
28	SAMPLE
29	SAMPLED
30	SAMPLEDS
31	SAMPLES
32	SPLIT
33	SPLITER

	Total	US-PGPUB	USPAT	USOCR	EPO	JPO	Derwent	IBM TDB
1	494779							
2	82242							
3	140725							
4	54764							
5	328695							
6	1664643							
7	8							
8	28230							
9	6158							
10	213672							
11	521941							
12	38							
13	114495							
14	311							
15	11966							
16	90868							
17	75							
18	579956							
19	1504995							
20	2							
21	281627							
22	53168							
23	91322							
24	1156040							
25	574							
26	323614							
27	32							
28	996814							
29	175260							
30	1							
31	605920							
32	461154							
33	283							

	Search Terms
34	SPLITERS
35	SPLITING
36	SPLITINGS
37	SPLITS
38	SPLITTER
39	SPLITTERS
40	SPLITTING
41	SPLITTINGS
42	((((PERIODIC AND ((SPLITTER OR SPLITTING OR SPLITTER OR SPLIT) SAME ANALOG)) AND ((SPLITTER OR SPLITTING OR SPLITTING OR SPLITTER OR SPLIT) SAME (MIX OR MIXER OR MIXING OR MIXED)))) AND ((COMBINER OR COMBINE OR COMBINING OR COMBINED) SAME (DIGITIZED OR SAMPLED OR DIGITAL OR SAMPLE))))

	Total	US-PGPUB	USPAT	USOCR	EPO	JPO	Derwent	IBM TDB
34	47							
35	392							
36	2							
37	46387							
38	96037							
39	20155							
40	119446							
41	587							
42	144							

	U	1	Document ID	Issue Date	Pages	Title	Current OR
1	X		US 20040219898 A1	20041104		Variable gain amplifier for low voltage applications	455/252.1
2	X		US 20040218606 A1	20041104		Time division multiplexing over broadband modulation method and apparatus	370/395.5
3	X		US 20040212417 A1	20041028		Large gain range, high linearity, low noise MOS VGA	327/363
4	X		US 20040208243 A1	20041021		Adaptive receivers for bit rate agile (BRA) and modulation demodulation (modem) format selectable (MFS) signals	375/232
5	X		US 20040207464 A1	20041021	27	Zero IF complex quadrature frequency discriminator & FM demodulator	329/315
6	X		US 20040196923 A1	20041007	72	CDMA, W-CDMA, 3rd generation interoperable modem format selectable (MFS) systems with GMSK modulated systems	375/299
7	X		US 20040189388 A1	20040930	175	Variable transconductance variable gain amplifier utilizing a degenerated differential pair	330/254
8	X		US 20040160286 A1	20040819	88	Applications for differential crystal oscillator	331/185
9	X		US 20040131011 A1	20040708	21	Transmission signals, method and apparatus	370/210
10	X		US 20040128076 A1	20040701	9	High bandwidth real-time oscilloscope	702/16
11	X		US 20040114939 A1	20040617	26	Coherent optical detection and signal processing method and system	398/152
12	X		US 20040081074 A1	20040429	28	Signal decoding methods and apparatus	370/206
13	X		US 20040052370 A1	20040318	28	Multichannel quadrature modulation	380/212
14	X		US 20040042387 A1	20040304	178	Communication system with multicarrier telephony transport	370/206
15	X		US 20030201932 A1	20031030	37	Using digital television broadcast signals to provide GPS aiding information	342/357.09
16	X		US 20030194978 A1	20031016	85	System and method for coarse/fine PLL adjustment	455/197.1
17	X		US 20030162521 A1	20030828	86	System and method for on-chip filter tuning	455/302

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
1	455/127.2		Bult, Klaas et al.	X							US 20040219898	
2			Leatherbury, Ryan M. et al.								US 20040218606	
3			Behzad, Arya R.								US 20040212417	
4			Feher, Kamilo								US 20040208243	
5			Petrovic, Branislav et al.								US 20040207464	
6			Feher, Kamilo								US 20040196923	
7	330/283		Nguyen, Thinh Cat et al.								US 20040189388	
8	257/E27.046		Ward, Christopher M. et al.								US 20040160286	
9	370/208		Sandell, Magnus et al.								US 20040131011	
10			Pupalaikis, Peter J. et al.								US 20040128076	
11			Taylor, Michael George								US 20040114939	
12			Piechocki, Robert Jan								US 20040081074	
13			Katznelson, Ron D.								US 20040052370	
14			Geile, Michael J.								US 20040042387	
15			Rabinowitz, Matthew et al.								US 20030201932	
16	257/E27.046; 455/180.3; 455/315; 455/331		Vorenkamp, Pieter et al.								US 20030194978	
17	257/E27.046; 455/296		Vorenkamp, Pieter et al.								US 20030162521	

	U	1	Document ID	Issue Date	Pages	Title	Current OR
18	X		US 20030161411 A1	20030828	74	Ultra wide bandwidth communications method and system	375/295
19	X		US 20030147067 A1	20030807	23	Measuring response characteristics of an optical component	356/124
20	X		US 20030138062 A1	20030724	9	Image reject circuit using sigma-delta conversion	375/329
21	X		US 20030128071 A1	20030710	177	Variable transconductance variable gain amplifier utilizing a degenerated differential pair	330/254
22	X		US 20030107427 A1	20030612	85	Temperature compensation for internal inductor resistance	327/513
23	X		US 20030058970 A1	20030327	28	Method and apparatus for measuring a waveform	375/342
24	X		US 20030053555 A1	20030320	43	Ultra wide bandwidth spread-spectrum communications system	375/295
25	X		US 20030053554 A1	20030320	44	Ultra wide bandwidth spread-spectrum communications system	375/295
26	X		US 20030048834 A1	20030313		Spectrally efficient FQPSK, FGMSK, and FQAM for enhanced performance CDMA, TDMA, GSM, OFDM, and other systems	375/219
27	X		US 20030032390 A1	20030213		Acquisition and tracking in communication system with multicarrier telephony transport	455/3.05
28	X		US 20030030497 A1	20030213		Integrated VCO having an improved tuning range over process and temperature variations	331/34
29	X		US 20030022646 A1	20030130		INTEGRATED SWITCHLESS PROGRAMMABLE ATTENUATOR AND LOW NOISE AMPLIFIER	455/232.1
30	X		US 20030020544 A1	20030130		Large gain range, high linearity, low noise MOS VGA	330/254
31	X		US 20020193108 A1	20021219		Multi-mode satellite and terrestrial communication device with position location	455/427
32	X		US 20020181547 A1	20021205		FMOD transceivers including continuous and burst operated TDMA, FDMA, spread spectrum CDMA, WCDMA and CSMA	375/130
33	X		US 20020180001 A1	20021205		System and method for ESD protection	257/546
34	X		US 20020140869 A1	20021003		System and method for providing a low power receiver design	348/726

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
18			McCorkle, John W. et al.								US 20030161411	
19			Woodside, Shane H. et al.								US 20030147067	
20			Smith, Gary								US 20030138062	
21			Nguyen, Thinh Cat et al.								US 20030128071	
22	257/E27.046		Vorenkamp, Pieter et al.								US 20030107427	
23			Hamre, John David et al.								US 20030058970	
24	375/130		McCorkle, John W. et al.								US 20030053555	
25			McCorkle, John W. et al.								US 20030053554	
26	375/259		Feher, Kamilo									
27	725/106		Geile, Michael J. et al.									
28	257/E27.046		Duncan, Ralph et al.									
29	257/E27.046; 455/234.1		Bult, Klass et al.									
30	257/E27.046		Behzad, Arya R.									
31	455/323; 455/430		Robinett, Robert L.									
32	375/298		Feher, Kamilo									
33	257/E27.046		Woo, Agnes N. et al.									
34	257/E27.046		Carr, Frank et al.									

	U	1	Document ID	Issue Date	Pages	Title	Current OR
35	X		US 20020136231 A1	20020926		Time division multiple access over broadband modulation method and apparatus	370/442
36	X		US 20020131389 A1	20020919		DUAL-MODE MODULATION SYSTEMS AND METHODS INCLUDING OVERSAMPLING OF NARROW BANDWIDTH SIGNALS AND DC OFFSET COMPENSATION	370/342
37	X		US 20020126685 A1	20020912		Time division multiplexing over broadband modulation method and apparatus	370/432
38	X		US 20020116719 A1	20020822		Controlling service units in a communication system	725/116
39	X		US 20020107979 A1	20020808		Computer data transmission over a telecommunications network	709/238
40	X		US 20020106060 A1	20020808		Communication system with multicarrier telephony transport	379/56.1
41	X		US 20020105950 A1	20020808		Computer data transmission over a telecommunications network	370/386
42	X		US 20020102937 A1	20020801		COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT	455/3.01
43	X		US 20020098798 A1	20020725		COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT	455/3.01
44	X		US 20020098797 A1	20020725		ACQUISITION AND TRACKING IN COMMUNICATION SYSTEM WITH MULTICARRIER TELEPHONY TRANSPORT	455/3.01
45	X		US 20020098796 A1	20020725		HYBRID/FIBER COAX VIDEO AND TELEPHONY COMMUNICATION SYSTEM WITH POLY-PHASE FILTERING	455/3.01
46	X		US 20020098795 A1	20020725		COMMUNICATING ERRORS IN A TELECOMMUNICATIONS SYSTEM	455/3.01
47	X		US 20020090909 A1	20020711		Hybrid/fiber coax video and telephony communication system with poly-phase filtering	455/3.01
48	X		US 20020067845 A1	20020606		Sensor apparatus and method for use in imaging features of an object	382/107

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
35	370/347		Leatherbury, Ryan M. et al.									
36			BOESCH, RONALD D. et al.									
37	370/480		Leatherbury, Ryan M. et al.									
38	725/129; 725/131		Dapper, Mark J. et al.									
39	370/911; 375/222; 719/328		Samikowski, Scott et al.									
40	380/235; 455/402		Dapper, Mark J. et al.									
41	370/208		Dapper, Mark J. et al.									
42			DAPPER, MARK J. et al.									
43			SOLUM, JEFF et al.									
44			BREDE, JEFFREY et al.									
45			DAPPER, MARK J. et al.									
46			BREDE, JEFFREY et al.									
47	455/403		Dapper, Mark J. et al.									
48			Griffis, Andrew J.									

	U	1	Document ID	Issue Date	Pages	Title	Current OR
49	X		US 20020050861 A1	20020502		Variable transconductance variable gain amplifier utilizing a degenerated differential pair	330/254
50	X		US 20020047942 A1	20020425		Digital IF demodulator for video applications	348/731
51	X		US 20020015477 A1	20020207		Dynamic bandwidth allocation	379/56.2
52	X		US 20020012421 A1	20020131		Communication system with multicarrier telephony transport	379/56.2
53	X		US 20010045529 A1	20011129		Double-resonance-absorption microscope	250/493.1
54	X		US 20010041548 A1	20011115		Variable gain amplifier for low voltage applications	455/252.1
55	X		US 20010032334 A1	20011018		INGRESS PROTECTION IN A COMMUNICATION SYSTEM WITH ORTHOGONAL CARRIERS	725/105
56	X		US 20010020908 A1	20010913		High-speed serial-to-parallel and analog-to-digital conversion	341/137
57	X		US 20010011013 A1	20010802		System and method for on-chip filter tuning	455/307
58	X		US 20010008430 A1	20010719		System and method for providing a low power receiver design	348/725
59	X		US 20010007151 A1	20010705		FULLY INTEGRATED TUNER ARCHITECTURE	725/151
60	X		US 20010002202 A1	20010531		FMOD TRANSCEIVERS INCLUDING CONTINUOUS AND BURST OPERATED TDMA, FDMA, SPREAD SPECTRUM CDMA, WCDMA, AND CSMA	375/130
61	X		US 6803829 B2	20041012		Integrated VCO having an improved tuning range over process and temperature variations	331/34
62	X		US 6763025 B2	20040713		Time division multiplexing over broadband modulation method and apparatus	370/395.64

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
49	330/283		Nguyen, Thinh Cat et al.									
50	348/725		Vorenkamp, Pieter et al.									
51	455/452.2		Geile, Michael J. et al.									
52	379/56.1		Geile, Michael J. et al.									
53			Iketaki, Yoshinori et al.									
54	330/250; 455/333		Bult, Klaas et al.									
55			DAPPER, MARK J. et al.									
56	359/238; 359/350; 398/43		Prucnal, Paul R.									
57	257/E27.046; 455/226.1; 455/67.11		Vorenkamp, Pieter et al.									
58	257/E27.046; 331/46		Carr, Frank et al.									
59	257/E27.046; 348/731		VORENKAMP, PIETER et al.									
60	375/296		FEHER, KAMILO									
61	331/117FE; 331/175; 331/186; 331/66		Duncan; Ralph et al.									
62	370/466; 370/474; 398/58; 398/74; 725/109; 725/119		Leatherbury; Ryan M. et al.									

	U	1	Document ID	Issue Date	Pages	Title	Current OR
63	X		US 6759904 B2	20040706		Large gain range, high linearity, low noise MOS VGA	330/254
64	X		US 6757334 B1	20040629		Bit rate agile third-generation wireless CDMA, GSM, TDMA and OFDM system	375/259
65	X		US 6744320 B2	20040601		Variable transconductance variable gain amplifier utilizing a degenerated differential pair	330/254
66	X		US 6731757 B1	20040504		Multichannel digital signal generation method and apparatus	380/212
67	X		US 6727847 B2	20040427		Using digital television broadcast signals to provide GPS aiding information	342/357.06
68	X		US 6700939 B1	20040302		Ultra wide bandwidth spread-spectrum communications system	375/295
69	X		US 6696898 B1	20040224		Differential crystal oscillator	331/116FE
70	X		US 6684065 B2	20040127		Variable gain amplifier for low voltage applications	455/252.1
71	X		US 6665348 B1	20031216		System and method for interoperable multiple-standard modulation and code selectable Feher's GMSK, enhanced GSM, CSMA, TDMA, OFDM, and third-generation CDMA, W-CDMA and B-CDMA	375/259

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
63	257/E27.046; 327/359		Behzad; Arya R.									
64	375/219; 375/261; 375/296; 375/298		Fehér; Kamilo									
65	330/253; 330/283		Nguyen; Thinh Cat et al.									
66	327/106; 332/170; 380/221; 380/38; 725/31		Katznelson; Ron D.									
67	342/357.09		Rabinowitz; Matthew et al.									
68	370/324; 375/130; 375/140; 375/146		McCorkle; John W. et al.									
69	257/E27.046; 331/158; 331/185; 331/75		Ward; Christopher M. et al.									
70	330/254; 330/278; 455/127.2		Bult; Klaas et al.									
71	375/130; 375/219; 375/261; 375/298		Fehér; Kamilo									

	U	1	Document ID	Issue Date	Pages	Title	Current OR
72	X		US 662367 B2	20031209		Poly-phase filters in multicarrier communication systems	725/105
73	X		US 6654595 B1	20031125		Radio system including mixer device and switching circuit and method having switching signal feedback control for enhanced dynamic range and performance	455/323
74	X		US 6608835 B2	20030819		Communication system with multicarrier telephony transport	370/395.53
75	X		US 6606351 B1	20030812		Ingress protection in a communication system with orthogonal carriers	375/222
76	X		US 6603822 B2	20030805		Communicating errors in a telecommunications system	375/340
77	X		US 6594322 B2	20030715		Method of distributed loop control for a multicarrier telephony transport	375/330
78	X		US 6591091 B1	20030708		System and method for coarse/fine PLL adjustment	455/179.1

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
72	341/100; 370/409; 370/478; 370/484; 375/346; 379/56.2; 455/3.01; 455/3.05; 725/106; 725/114; 725/126; 725/129; 725/131		Dapper; Mark J. et al.									
73	327/113; 327/116; 327/119; 455/324; 455/326; 455/338		Dexter; Charles E.									
74	370/441; 370/485		Geile; Michael J. et al.									
75			Dapper; Mark J. et al.									
76	398/99		Brede; Jeffrey et al.									
77	375/344		Dapper; Mark J. et al.									
78	257/E27.046; 455/180.3; 455/182.3; 455/183.1; 455/207; 455/260; 455/315		Vorenkamp; Pieter et al.									

	U	1	Document ID	Issue Date	Pages	Title	Current OR
79	X		US 6549766 B2	20030415		System and method for on-chip filter tuning	455/307
80	X		US 6545265 B1	20030408		System and method for the microscopic generation of object images	250/234
81	X		US 6535715 B2	20030318		Hybrid/fiber coax video and telephony communication system with poly-phase filtering	455/3.05
82	X		US 6535561 B2	20030318		Dual-mode modulation systems and methods including oversampling of narrow bandwidth signals and DC offset compensation	375/296
83	X		US 6529279 B2	20030304		Interferometer and method for measuring the refractive index and optical path length effects of air	356/517
84	X		US 6525609 B1	20030225		Large gain range, high linearity, low noise MOS VGA	330/254
85	X		US 6510229 B1	20030121		Communication system with multicarrier telephony transport	380/235
86	X		US 6509796 B2	20030121		Variable transconductance variable gain amplifier utilizing a degenerated differential pair	330/254
87	X		US 6504420 B1	20030107		Temperature compensation for internal inductor resistance	327/513
88	X		US 6487405 B1	20021126		Communication system with multicarrier telephony transport for controlling a plurality of service units	455/424

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
79	257/E27.046; 327/554; 455/280		Vorenkamp; Pieter et al.									
80	359/368		Czarnetzki; Norbert et al.									
81	370/210; 370/484; 455/3.01		Dapper; Mark J. et al.									
82	332/103; 332/119; 341/118; 375/302; 455/102; 455/553.1		Boesch; Ronald D. et al.									
83	356/484		de Groot; Peter et al.									
84	257/E27.046; 327/359		Behzad; Arya R.									
85	348/723; 370/389; 709/202; 710/8		Geile; Michael J.									
86	330/283		Nguyen; Thinh Cat et al.									
87	257/E27.046; 327/552		Vorenkamp; Pieter et al.									
88	235/380; 341/100; 370/342; 370/395.1; 370/401; 379/56.2; 725/105		Dapper; Mark J.									

	U	1	Document ID	Issue Date	Pages	Title	Current OR
89	X		US 6477354 B1	20021105		Communication system transmitting modulated orthogonal carries with service units that scan spectrum to identify assigned band	455/7
90	X		US 6470055 B1	20021022		Spectrally efficient FQPSK, FGMSK, and FQAM for enhanced performance CDMA, TDMA, GSM, OFDN, and other systems	375/259
91	X		US 6467092 B1	20021015		Method for adjusting power in a communication system with multicarrier telephony transport	725/131
92	X		US 6452982 B1	20020917		Method and system for down-converting a signal	375/316
93	X		US 6445749 B2	20020903		FMOD transceivers including continuous and burst operated TDMA, FDMA, spread spectrum CDMA, WCDMA, and CSMA	375/298
94	X		US 6445039 B1	20020903		System and method for ESD Protection	257/355
95	X		US 6434583 B1	20020813		Fast fourier transform apparatus and method	708/409
96	X		US 6433715 B1	20020813		High-speed serial-to-parallel and analog-to-digital conversion	341/137
97	X		US 6426680 B1	20020730		System and method for narrow band PLL tuning	331/34
98	X		US 6418558 B1	20020709		Hybrid fiber/coax video and telephony communication	725/129
99	X		US 6415133 B1	20020702		Acquisition and tracking in communication system with multicarrier telephony transport	455/3.05

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
89	370/342; 370/474; 379/212.01		Roberts; Harold A. et al.									
90	370/215; 375/219; 375/261; 375/269; 375/298; 375/308; 375/329		Feher; Kamilo									
91			Geile; Michael J. et al.									
92	375/350		O'Dell; Stewart C. et al.									
93	332/103; 375/308		Feher; Kamilo									
94	257/356; 257/357; 257/360; 257/E27.046		Woo; Agnes N. et al.									
95	708/622		Dapper; Mark J. et al.									
96	341/155		Prucnal; Paul R.									
97	257/E27.046; 331/117FE; 331/117R; 331/16; 331/17; 331/179; 331/36C		Duncan; Ralph et al.									
98	725/106; 725/128		Roberts; Harold A. et al.									
99	455/561; 725/143		Brede; Jeffrey et al.									

	U	1	Document ID	Issue Date	Pages	Title	Current OR
100	X		US 6377315 B1	20020423		System and method for providing a low power receiver design	348/726
101	X		US 6366622 B1	20020402		Apparatus and method for wireless communications	375/322
102	X		US 6366585 B1	20020402		Distributed control in a communication system	370/409
103	X		US 6336201 B1	20020101		Synchronization in a communications system with multicarrier telephony transport	714/755
104	X		US 6334219 B1	20011225		Channel selection for a hybrid fiber coax network	725/106
105	X		US 6330241 B1	20011211		Multi-point to point communication system with remote unit burst identification	370/395.1
106	X		US 6292651 B1	20010918		Communication system with multicarrier transport distribution network between a head end terminal and remote units	725/106
107	X		US 6285865 B1	20010904		System and method for on-chip filter tuning	455/307
108	X		US 6282683 B1	20010828		Communication system with multicarrier telephony transport	714/746
109	X		US 6279158 B1	20010821		Dynamic bandwidth allocation	725/126

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
100	257/E27.046; 348/725; 348/731; 455/179.1; 725/151		Carr; Frank et al.									
101	329/304; 375/133; 375/222; 375/281; 375/345		Brown; Stephen Joseph et al.									
102	370/453; 370/474; 455/562.1		Dapper; Mark J. et al.									
103	370/401		Gelle; Michael J. et al.									
104	341/100; 370/280; 375/235; 375/286		Hill; Terrance J. et al.									
105	709/217		Fort; Michael J.									
106	370/342; 455/562.1; 725/114		Dapper; Mark J. et al.									
107	257/E27.046; 327/554; 455/280		Vorenkamp; Pieter et al.									
108	714/752; 714/776		Dapper; Mark J. et al.									
109	370/458; 370/474; 370/480		Gelle; Michael J. et al.									

	U	1	Document ID	Issue Date	Pages	Title	Current OR
110	X		US 6275990 B1	20010814		Transport of payload information and control messages on multiple orthogonal carriers spread throughout substantially all of a frequency bandwidth	725/106
111	X		US 6265999 B1	20010724		High-speed serial-to-parallel and analog-to-digital conversion	341/137
112	X		US 6246675 B1	20010612		CDMA cordless telephone system and method of operation thereof	370/342
113	X		US 6222852 B1	20010424		Method and apparatus for transmitting dual speed ethernet information (10BASE-T and 100BASE-TX) across a physical layer device service interface	370/463
114	X		US 6175630 B1	20010116		Method and apparatus for level and phase control of a plurality of RF signals	380/221
115	X		US 6148320 A	20001114		Multichannel digital signal generation method and apparatus	380/206
116	X		US 6101176 A	20000808		Method and apparatus for operating an indoor CDMA telecommunications system	370/335
117	X		US 5991308 A	19991123		Lower overhead method for data transmission using ATM and SCDMA over hybrid fiber coax cable plant	370/395.53
118	X		US 5864621 A	19990126		Broadband television scrambling and descrambling system	380/219
119	X		US 5784402 A	19980721		FMOD transceivers including continuous and burst operated TDMA, FDMA, spread spectrum CDMA, WCDMA and CSMA	375/130

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
110	375/260		Dapper; Mark J. et al.									
111	341/155; 359/237		Prucnal; Paul R.									
112	455/410		Beasley; Andrew et al.									
113	341/110; 341/51; 370/465		Gandy; Thomas W.									
114	380/219; 455/110; 455/119		Katznelson; Ron D.									
115	327/106; 332/170; 348/723; 370/482; 380/219; 380/221; 455/109; 708/8		Katznelson; Ron D.									
116	375/346; 455/501		Honkasalo; Harri et al.									
117	370/342; 370/395.52; 370/395.65; 370/474		Fuhmann; Amir Michael et al.									
118	380/212; 380/221; 380/240		Katznelson; Ron D.									
119	375/296; 375/298		Feher; Kamilo									

	U	1	Document ID	Issue Date	Pages	Title	Current OR
120	X		US 5784161 A	19980721		Heterodyne interferometer arrangement with tunable lasers, a heterodyne interferometer, a comparison interferometer and a reference interferometer	356/487
121	X		US 5781295 A	19980714		Interferometer for absolute distance measurement	356/486
122	X		US 5764693 A	19980609		Wireless radio modem with minimal inter-device RF interference	375/222
123	X		US 5754650 A	19980519		Simultaneous multichannel television access control system and method	380/206
124	X		US 5745837 A	19980428		Apparatus and method for digital data transmission over a CATV system using an ATM transport protocol and SCDMA	725/114
125	X		US 5612975 A	19970318		Digital receiver for variable data rate communications	375/319
126	X		US 5469127 A	19951121		Amplification apparatus and method including modulator component	332/149
127	X		US 5430799 A	19950704		Multichannel television signal scrambling and descrambling system and method	380/206

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
120			Bechstein; Karl-Heinz et al.									
121	356/482		Fuchs; Werner et al.									
122	375/274; 455/73		Taylor; Bryan et al.									
123	380/212; 380/219; 380/223; 380/34		Katznelson; Ron D.									
124	725/129; 725/131		Fuhrmann; Amir Michael									
125	329/308; 341/61; 375/235; 375/327; 375/343; 375/349; 375/350; 455/307; 455/337; 708/314		Becker; Donald W. et al.									
126	330/10; 332/151; 332/170; 455/102; 455/109		Hulick; Timothy P. et al.									
127	380/212; 380/219; 380/223; 380/34		Katznelson; Ron D.									

	U	1	Document ID	Issue Date	Pages	Title	Current OR
128	X		US 5367272 A	19941122		Digital amplitude modulators involving (1) modification of amplitude during synchronization pulse, (2) automatic gain control of signal components, and/or (3) analog representation of less significant signal components	332/149
129	X		US 5333000 A	19940726		Coherent optical monolithic phased-array antenna steering system	342/368
130	X		US 5260674 A	19931109		Amplitude modulator	332/149
131	X		US 5223843 A	19930629		High performance global positioning system receiver means and method	342/352
132	X		US 5123741 A	19920623		Fiber optic sagnac interferometer with digital phase ramp resetting via correlation-free demodulator control	356/464
133	X		US 5116127 A	19920526		Fiber optic Sagnac interferometer with digital phase ramp resetting	356/464
134	X		US 4989220 A	19910129		Method and apparatus for demodulating a class of M-ary phase shift keyed (PSK) signals	375/329
135	X		US 4961206 A	19901002		Data modem system	375/261
136	X		US 4944921 A	19900731		Automated PCB analyzer system	422/70

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
128	332/159; 455/108		Hulick; Timothy P.									
129			Hietala; Vincent M. et al.									
130	332/159; 455/108		Hulick; Timothy P.									
131	342/357.12; 455/12.1; 701/226		Hutchinson; William M.									
132			Spahlinger; Gunter									
133			Grollmann; Peter									
134	329/304; 375/331		Serrone; Michael J.									
135	375/328; 375/340; 375/344; 375/373		Tomlinson; Martin et al.									
136	422/82.02; 436/126; 436/161; 436/175		Colby; Bruce N. et al.									

	U	1	Document ID	Issue Date	Pages	Title	Current OR
137	X		US 4893316 A	19900109		Digital radio frequency receiver	708/300
138	X		US 4881246 A	19891114		Method and apparatus for demodulating a class of M-ary phase shift keyed (PSK) signals	375/332
139	X		US 4866395 A	19890912		Universal carrier recovery and data detection for digital communication systems	329/309
140	X		US 4705399 A	19871110		Device for measuring a nonreciprocal phase shift produced in a closed-loop interferometer	356/464
141	X		US 4075698 A	19780221		Digital phase measurement system	702/72
142	X		US 3970389 A	19760720		Variable frequency interferometer	356/4.1
143	X		WO 2004038432 A2	20040506	NA	HIGH BANDWIDTH REAL TIME OSCILLOSCOPE	
144	X		US 3359496 A	19671219		Single sideband high level rf modulator having spectrum adjustment	375/301

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
137	341/110; 341/122; 375/261; 375/308; 375/321; 375/332; 455/296; 455/324; 708/276; 708/313		Janc; Robert V. et al.									
138	329/304; 375/330		Long; James C.									
139	375/261; 375/327		Hostetter; G. Robert									
140			Graindorge; Philippe et al.									
141	324/76.82; 341/111		Lode; Tenny D.									
142			Mendrin; Michael J. et al.									
143			PUPALAIKIS, PETER J et al.									
144	332/170		BURNSWEIG JR JOSEPH et al.									

	Search Terms
1	GRAEF-DAVID
2	GRAEF-DAVIDS
3	PUPALAIKIS-PETER
4	PUPALAIKIS-PETERS
5	((PUPALAIKIS-PETER.IN.) OR (GRAEF-DAVID.IN.))

	Total	US-PGPUB	USPAT	USOCR	EPO	JPO	Derwent	IBM TDB
1	1							
2	0							
3	0							
4	0							
5	1							

	U	1	Document ID	Issue Date	Pages	Title	Current OR
1	X		WO 2004038432 A2	20040506	NA	HIGH BANDWIDTH REAL TIME OSCILLOSCOPE	

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5	Image Doc. Displayed	PT
1			PUPALAIKS, PETER J et al.									